Question 1

Below is the code to print "Hello World" using condition variables. Modify the code so that thread3 prints "Again" so the new output from the program will be "Hello World Again". Make it clear any changes you are making to thread1 or thread2 along with any new global variables you are declaring.

```
int thread1_done = 0;
pthread_cond_t cv;
pthread_mutex_t mutex;
void* thread1(void* param) {
    printf("Hello ");
    pthread_mutex_lock(&mutex);
    thread1_done = 1;
    pthread_cond_signal(cv);
    pthread_mutex_unlock(&mutex);
    return NULL;
}
void* thread2(void* param) {
    pthread_mutex_lock(&mutex);
    while(thread1_done == 0) {
        pthread_cond_wait(&cv, &mutex);
    printf("World ");
    pthread_mutex_unlock(&mutex);
    return NULL;
}
void* thread3(void* param) {
    // ToDo
int main(int argc, char** argv) {
    // creates and joins all the threads
    // do not worry about what goes in here
}
```